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151 gugauugcca cacuggugac gggcauuuaa uggugcgugg auaaaauuuu
201 uuucgcaccu aaacggcggg aacgucaggc agcggcgag gcggcucggg
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301 cuggaaaccg gugcuucugu uuuuccgguu cuggcuauccg uauugauugu
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401 cgacucuguu aaugggugau uuuaucugg uagagaaguu ugcuauggc
451 auuaaagau cuaucuacca gaaaacgcug aucgaaaacg gucauccgaa
501 acgcggcgau aucguggucu uaaaauaacc ggaagaucca aagcuu

FIGURE 1

1 cugcaggcug agguguugcc cuuacaaaug caacaacgac auggauuaca
51 acacccucan aaacaaaggg caaucaccug aucuaagcuc uuaccuauga
101 cagugauagg uuaugccuuu uacucgacuu uugcacugac ugaaaaggac
151 aaauuaaugu uaaaaaagau acuuuuacug gcucugcuuc cugcaaucgc
201 cuucgcagag gaacuuccug cuccaguaaa agcgauugaa aaacagggca
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351 gcacgcuauc ucugguuaca uguacaacga gaaaggugaa aaccugagua
401 acacacuuau cgaaaaagaa auuuacgcac cagccggacg cgaaaugugg
451 caacggauug aacaauccca cuggcuccuc gacgguaaaa aagaugcgcc
501 ggucauuguc uacgucuucg ccgauccguu cugcccauau uguaaacagu
551 ucuggcagca ggcgcgcccc ugguuagauu cuggcaaagu gcaauuaaga
601 acauuguugg uugggguuau caagccagaa agcccggcgz cagcagcggc
651 aaauucuugcc uccaaagauc ccgcaaaaac cuggcaacaa uaugaagccu
701 cugguggcaa gcuu

Figure 2

1 ctgcaggctg aggtgttgcc cttacaaatg caacaacgac atggattaca
 51 acaccctcat aaacaaaggg caatcacctg atctaagctc ttacctatga
 101 cagtgatagg ttatgccttt tactcgactt ttgcactgac tgaaaaggac
 151 aaattaatgt taaaaaagat acttttactg gctctgcttc ctgcaatcgc
 201 cttcgcagag gaacttcctg ctccagtaaa agcgattgaa aaacagggca
 251 ttacaatcat caaacattc gatgcccccg gaggaatgaa aggttatctc
 301 ggaaagtatc aggatatggg cgtcaccatc tacctgactc cagatggtaa
 351 gcacgctatc tctgggttaca tgtacaacga gaaagggtgaa aacctgagta
 401 acacacttat cgaaaaagaa atttacgcac cagccggacg cgaaatgtgg
 451 caacggatgg aacaatccca ctggctcctc gacggtaaaa aagatgcgcc
 501 ggtcattgtc tacgtcttcg ccgatccgtt ctgccatat tgtaaacagt
 551 tctggcagca ggcgcgcccg tgggtagatt ctggcaaagt gcaattaaga
 601 acattgttgg ttgggggttat caagccagaa agcccggcgz cagcagcggc
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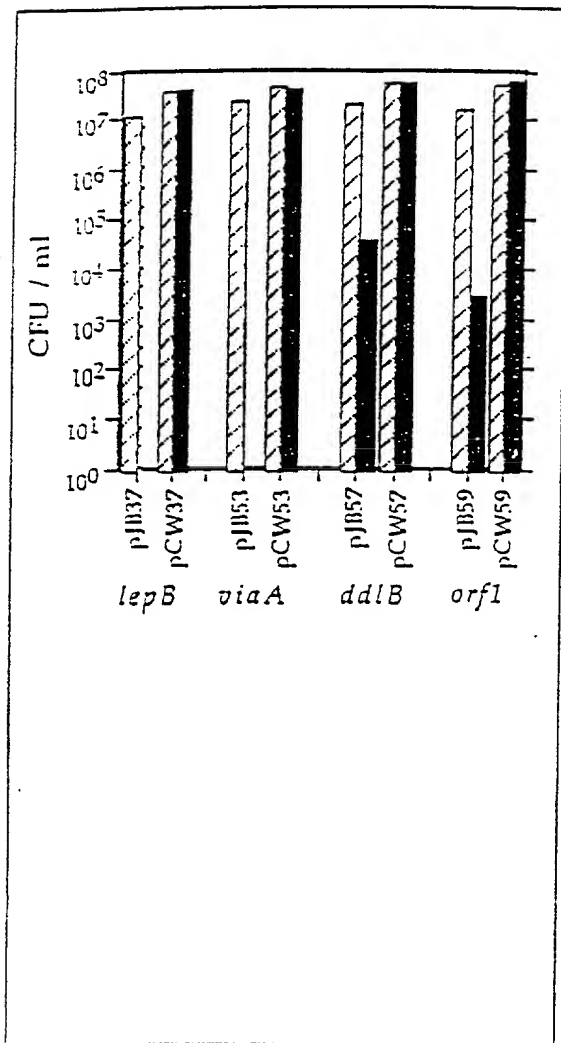
FIGURE 3

1 gaauucguac uaccaacugc gagaagcuca uaccugccug acgugccgcc
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101 cagauaaaac uguccaucgc uguccagcau aacgucaaua cguccccauc
151 cuuugcaacc uaacgucguc caugcuuucg gcacuaaugg cugcaauuug
201 gccucuuug acgcuuccag accugcgggg cagaaauacu gugucucauc
251 agagagauac uucgcccucg aaucauagaa gguuccggac gguugaauac
301 guauugacgg uaaaauuucg ucaccgagua ucgcaaccgu gaacuccggc
351 ccacuuagcc auuuuucaau cauacuucg ucaucgugcu gaaugccaa
401 ucuaauggca ucuuguagag cauuuucg uacuacuuu gacauuccca
451 cacuggaacc uucgcggcuc ggcuuaacga uaaccggcaa acccagagca
501 gaaauuucg cuaacugcu aucgcucagg cccuuuucaa acucugcgcg
551 gguuaacgcu acccaccggc cgaccgguaa accggcaccu ugccauagaa
601 guuugcugcg uaguuuaucc auugaaagcg cagaugccau cacuccgcuu
651 ccgguauaag scaagcccau cagcucgagc aucccccugca gcguaccauc
701 uucaccgccg cgaccgugua gcgcgauaaa cacuuucuga aagcccaucg
751 acuucaguug cgucacgucg acuuuuucg gguccgacag auacgcguca
801 auaccgccuu cagcagucc ggcuaacacc gcugcgccag aaucagaga
851 aacuuccgc ucagcgagg ucccaccaa caggaccgcg auuuuauag
901 ucauguuguu cuuccuccgg aguuugcgcc uucaguuga uuucagcuaa
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FIGURE 4

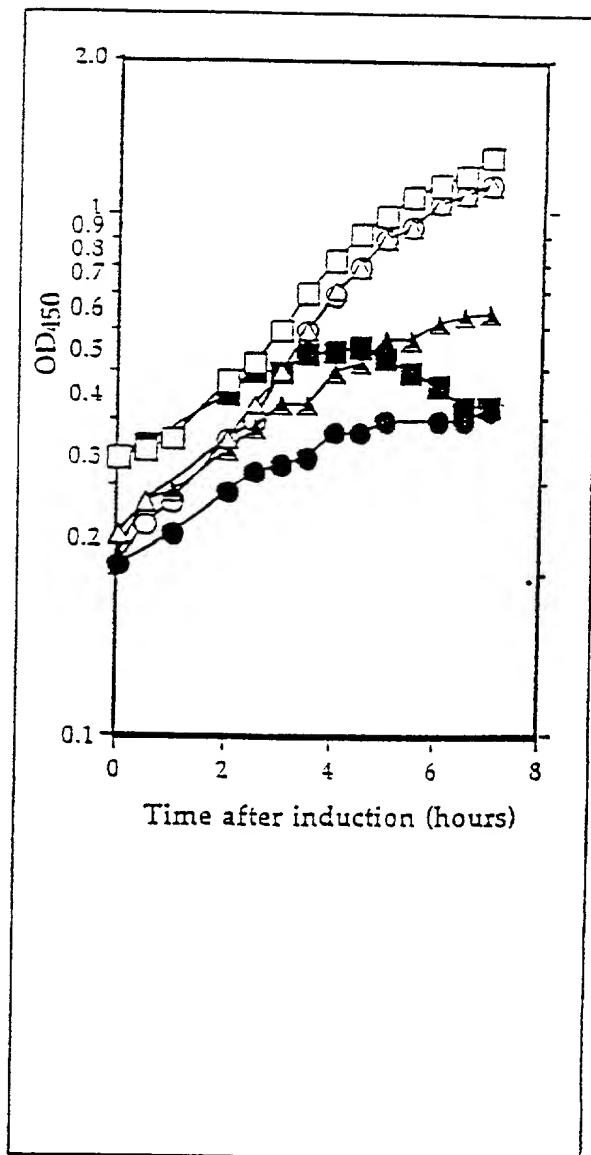
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201 gcacguugcc cugggacacg ucagcauaca guuggcuaac gaugauuugc
251 agauuaaccg ggccauucg accaaccaug uaaccacgcg cggucaucug
301 uuuuuccagc acuucugca gcaggaaacg cagaucgcg gaggcgguca
351 ggguaacgau uugauuauug cgggugacuu uugccagcgc cugaucggua
401 cgcugaucgg caccauuaau gcuuacggug acgcccauca ggcugggau
451 c

FIGURE 5



□ - IPTG
 ■ + IPTG

FIGURE 6



lepB pJ337 —□— pJ337 + IPTG
ddlB pJ357 —○— pJ357 + IPTG
orf1 pJ359 —△— pJ359 + IPTG

FIGURE 7

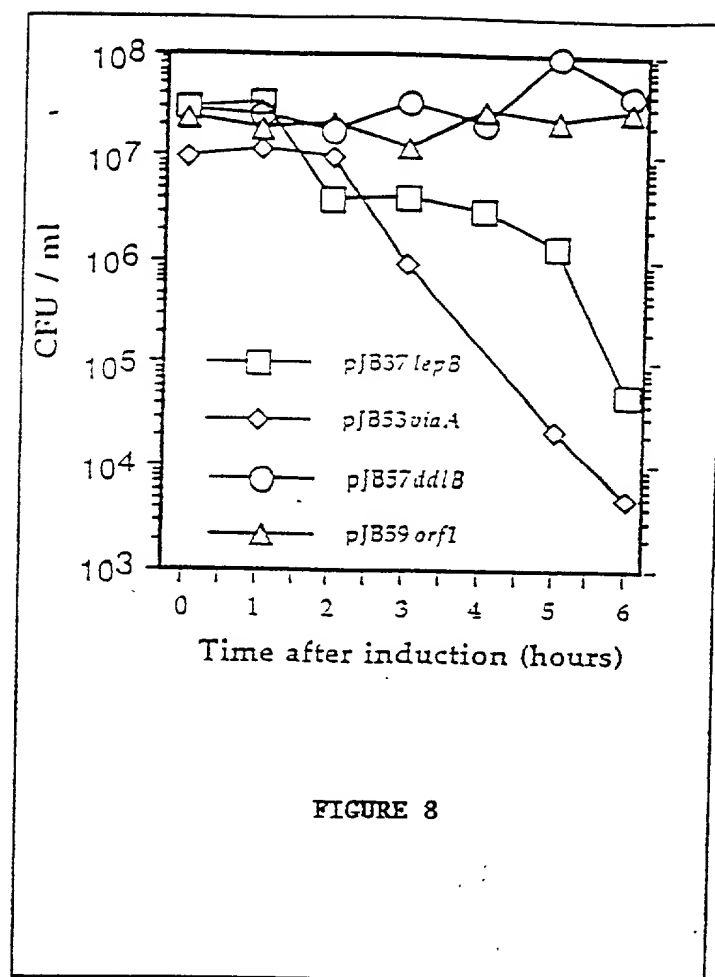


FIGURE 8

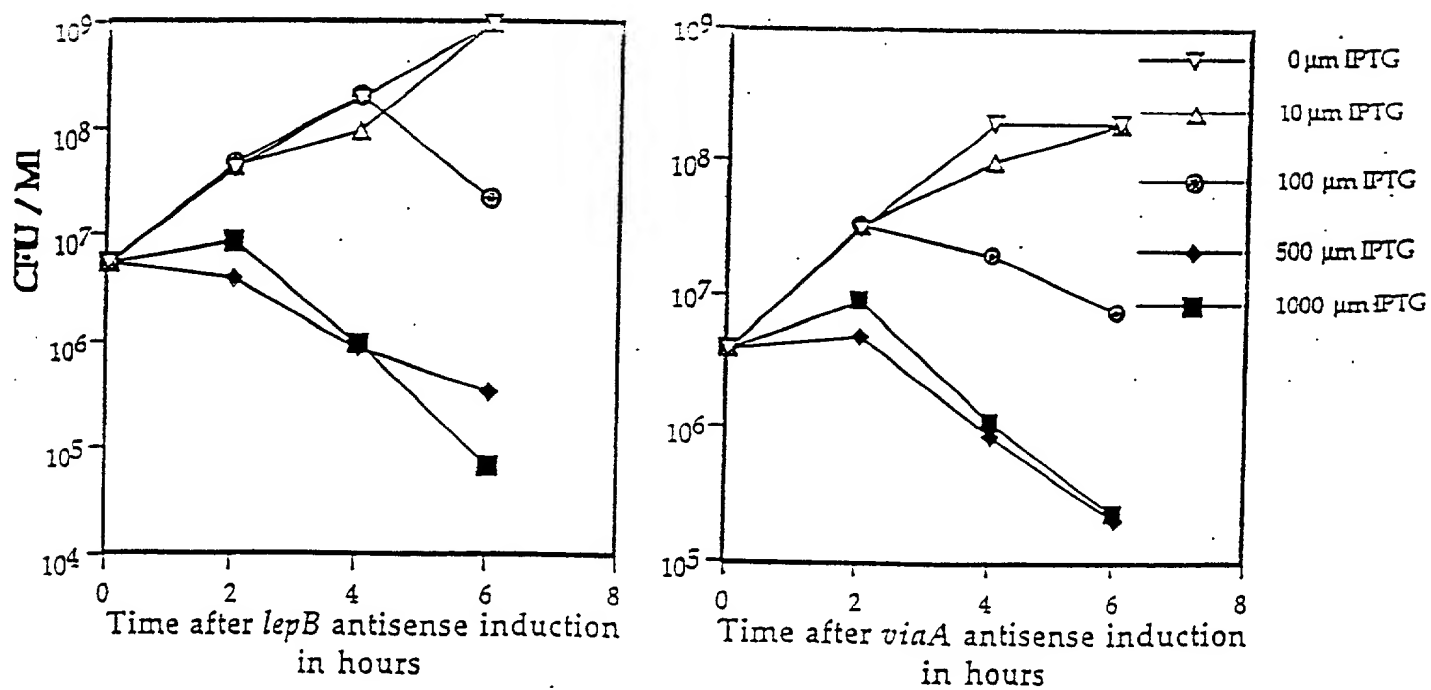


FIGURE 9

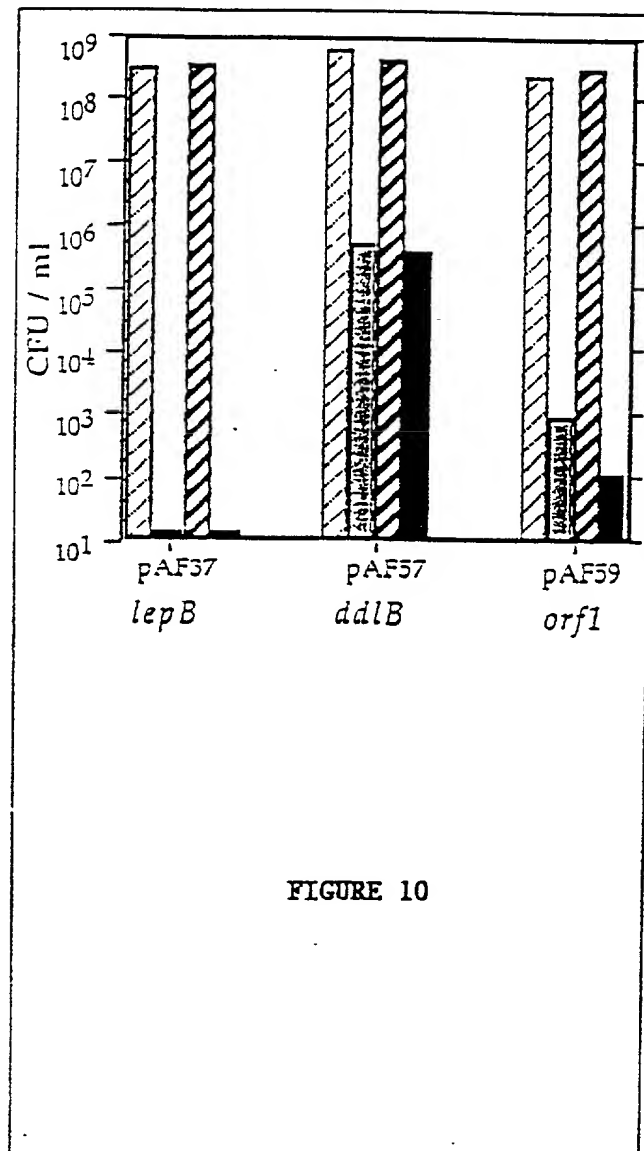


FIGURE 10

1 ctgcaggctt taatgataag atttgtgcg taaatacgtt tgaatatgat
 51 cgggatggca ataacgtgag tsgaatactg acgcgctggc gacagtttgg
 101 taaacgctac ttctggccgc atctcttatt agggatgggt gcggcgagtt
 151 taggtttgcc tgcgctcagc aacgccgcgc aaccaaacgc gcccgcaaaa
 201 gcgacaaccc gcaaccacga gccttcagcc aaagttaact ttggtcaatt
 251 ggccttgctg gaagcgaaca cagccgcgc gaattcgaac tattccgttg
 301 attactggca tcaacatgcc attcgcaagg taatccgtca tctttcttcc
 351 gcaatggcac cgcaaact gcccgttgct gaagaatctt tgcctcttca
 401 ggcgcaacat cttgcattac tggatacgtc cagcgcgctg ctgacccagg
 451 aaggcacgcc gtctgaaaag ggttatcgca ttgattatgc gcattttacc
 501 ccacaagcaa aattcagcac gccgctctgg ataagccagg cgcaaggcat
 551 ccgtgctggc cctcaacgcc tcacctaca acaataaacc tttacttcat
 601 tttattaact ccgcaacgcg gggcgtttga gattttatta tgctaataca
 651 attgttaact aaagttttcg gtatcgtaa cgatcgacc ctgcgcgga
 701 tgcgcaaagt ggtcaacatc atcaatgcca tggaaccgga gatggaaaaa
 751 ctctccgacg aagaactgaa agggaaaacc gcagagtttc gtgcacgtct
 801 ggaaaaaggc gaagtgctgg aaaatctgat cccgga

FIGURE 11

1 uccgggauca gauuuuccag cacuucgccu uuuccagac gugcacgaaa
 51 cucugcgguu uucccuuua guucucguc ggagaguuu uccaucuccg
 101 guuccauggc auugaugaug uugaccacu ugcgcauccg gcgcagggug
 151 cgauCGUuac gacuaccgaa aacuuuaguu aacaauuuga uuagcauaau
 201 aaaaucucua acgccccgcg uugcgaguu aaauaauga aguaaagguu
 251 uauuguuguu agguagaggcg uugagggcca gcacggaugc cuugcgccug
 301 gcuuauccag acggcgugc ugaauuuugc uuguggggua aaaugcgcau
 351 aaucaaugcg auaaccuuu ucagacggcg ugccuuccug ggucagcagc
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 451 uucucagca acgggcagug uuugcgugc cauugcgaaa gaaagaugac
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 651 uugguucggc ggcguugcug agcgaggca aaccuaaacu cgccgcaacc
 701 auccuaaua agagaugcg ccagaaguag cguuaccaa acugucgcca
 751 gcgcgucagu auccacuca cguuauugcc auccgauca uauucaaacg
 801 uauuuagcg aaaaucua ucauuaaagc cugcag

FIGURE 12